



**INFORMATION CITED BY APPLICANTS THAT MAY BE MATERIAL  
TO THE PROSECUTION OF THE SUBJECT APPLICATION**

Applicants: A.N. Neogi et al. Attorney Docket No. 25194

Application No.: 10/602,208 Group Art Unit: 3725

Filed: June 23, 2003

Title: METHODS FOR ESTERIFYING HYDROXYL GROUPS IN WOOD

**U.S. PATENT DOCUMENTS**

*Examiner Initials	Cite No.	Document No.	Kind Code	Date (mm/dd/yyyy)	Name
	U1	4,804,384		02/14/1989	Rowell et al.

**FOREIGN PATENT DOCUMENTS**

*Examiner Initials	Cite No.	Document No.	Kind Code	Publication Date (mm/dd/yyyy)	Country	English Abstract Provided	Translation Provided
	F1	WO 03/053105 A1		June 26, 2003	PCT		x

**OTHER INFORMATION**

*Examiner Initials	Cite No.	Description (Including Author, Title, Date, Pertinent Pages, Etc.)
	O1	"Acetylation of Wood - An Environmentally Sound Wood Modification Method," A-Cell Acetyl Cellulosics AB.
	O2	Beckers, E.P.J. and H. Militz, "Acetylation of Solid Wood: Initial Trials on Lab and Semi Industrial Scale," <i>Second Pacific Rim Bio-Based Composites Symposium Proceedings</i> , Vancouver, Canada, November 6-9, 1994, pp. 125-134.
	O3	Brelid, P.L., "The Influence of Post-Treatments on Acetyl Content for Removal of Chemicals After Acetylation," <i>Holz als Roh und Werkstoff</i> 60:92-95, 2002.
	O4	Brelid, P.L., et al., "Acetylation of Solid Wood Using Microwave Heating, Part 1: Studies of Dielectric Properties," <i>Holz als Roh und Werkstoff</i> 57:259-263, 1999.
	O5	Brelid, P.L., and R. Simonson, "Acetylation of Solid Wood Using Microwave Heating, Part 2: Experiments in Laboratory Scale," <i>Holz als Roh und Werkstoff</i> 57:383-389, 1999.

LAW OFFICES OF  
CHRISTENSEN OCONNOR JOHNSON KINDNESS<sup>PLLC</sup>  
1420 Fifth Avenue  
Suite 2800  
Seattle, Washington 98101  
206.682.8100



- O6 Chow, P., et al., "Effects of Acetylation on the Dimensional Stability and Decay Resistance of Kenaf (*Hibiscus cannabinus* L.) Fiberboard," *The International Research Group on Wood Preservation 27th Annual Meeting*, West Indies, May 19-24, 1996, pp. 1-7.
- O7 Evans, P.D., "Weathering and Stabilisation of Wood," *ANU Forestry-Forest Product Technology*, pp. 1-4, 2000.
- O8 Feist, W.C., et al., "Weathering and Finish Performance of Acetylated Aspen Fiberboard," *Wood and Fiber Science* 23(2):260-272, 1991.
- O9 Hill, C.A.S., et al., "Kinetic and Mechanistic Aspects of the Acetylation of Wood with Acetic Anhydride," *Holzforschung* 52:623-629, 1998.
- O10 Hill, C.A.S., et al., "Potential Catalysts for the Acetylation of Wood," *Holzforschung* 54:629-272, 2000.
- O11 Ramsden, M.J., and F.S.R. Blake, "A Kinetic Study of the Acetylation of Cellulose Hemicellulose and Lignin Components in Wood," *Wood Science and Technology* 31:45-50, 1997.
- O12 Rowell, R.M., "Acetyl Balance for the Acetylation of Wood Particles by a Simplified Procedure," *Holzforschung* 44(4):263-269, 1990.
- O13 Rowell, R.M., et al., "Acetyl Distribution in Acetylated Whole Wood and Reactivity of Isolated Wood Cell-Wall Components to Acetic Anhydride," *Wood and Fiber Science* 26(1):11-18, 1994.
- O14 Takahashi, M., et al., "Effect of Acetylation on Decay Resistance of Wood Against Brown-Rot, White-Rot and Soft-Rot Fungi," *The International Research Group on Wood Preservation 20th Annual Meeting*, Lappeenranta, Finland, May 22-26, 1989, pp. 1-16.
- O15 Tillman, A.-M., et al., "Dimensional Stability and Resistance to Biological Degradation of Wood Products by a Simplified Acetylation Procedure," *Oral Presentations of the Fourth International Symposium on Wood and Pulping Chemistry*, Paris, April 27-30, 1987, pp. 125-129.

Examiner

Date Considered

---

\*Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

LXC:tm/jlj

LAW OFFICES OF  
CHRISTENSEN O'CONNOR JOHNSON KINDNESS<sup>PLC</sup>  
1420 Fifth Avenue  
Suite 2800  
Seattle, Washington 98101  
206.682.8100